

Vance & Hines 47943

Vance & Hines 47943 Hi-Output Slip-On Exhaust System Instruction Manual

Model: 47943 | Brand: Vance & Hines

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Vance & Hines 47943 Hi-Output Slip-On exhaust system. This product is designed to enhance the sound and appearance of compatible motorcycles. Please read all instructions carefully before beginning installation to ensure correct procedure and safe operation.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Failure to follow these safety guidelines may result in injury or damage to the product or motorcycle.

- **Hot Surfaces:** Exhaust systems become extremely hot during operation and remain hot for a significant period after the engine is turned off. Avoid contact with hot surfaces to prevent burns.
- **Eye Protection:** Always wear appropriate eye protection when working on your motorcycle.
- **Hearing Protection:** Aftermarket exhaust systems can produce increased sound levels. Consider wearing hearing protection during prolonged exposure.
- **Ventilation:** Ensure adequate ventilation when working in enclosed spaces, especially when the engine is running.
- **Professional Installation:** If you are unsure about any step of the installation process, it is recommended to seek assistance from a qualified motorcycle technician.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Before beginning installation, verify that all components are present and undamaged:

- Vance & Hines 47943 Hi-Output Slip-On Muffler
- Mounting Bracket(s)
- Exhaust Clamp(s)
- Mounting Hardware (bolts, washers, nuts)
- Instruction Sheet (this document)

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your new slip-on exhaust system.

4.1. Tools Required

- Metric and/or Standard Wrench Set
- Socket Set with Ratchet
- Torque Wrench (recommended for proper fastener tightening)
- Pry Tool (optional, for stubborn stock muffler removal)
- Clean Cloth

4.2. Preparation

1. Ensure the motorcycle engine is completely cool before starting work.
2. Park the motorcycle on a stable, level surface using a stand to prevent tipping.
3. Locate the stock muffler and its mounting points.

4.3. Removal of Stock Muffler

1. Loosen the exhaust clamp(s) connecting the stock muffler to the header pipe.
2. Remove any bolts securing the stock muffler to the motorcycle frame or bracket.
3. Carefully slide the stock muffler off the header pipe. It may require some wiggling or gentle prying. Set aside the stock muffler and hardware.

4.4. Installation of Vance & Hines Hi-Output Slip-On

1. Carefully slide the new Vance & Hines Hi-Output Slip-On muffler onto the header pipe. Ensure it seats fully and correctly.
2. Align the mounting bracket(s) of the new slip-on with the corresponding mounting points on the motorcycle frame.
3. Install the provided mounting hardware (bolts, washers, nuts) to secure the muffler to the frame. Do not fully tighten at this stage.
4. Install the new exhaust clamp(s) over the connection point between the slip-on and the header pipe. Do not fully tighten.
5. Adjust the position of the muffler for optimal alignment and clearance from other motorcycle components.
6. Once satisfied with the alignment, progressively tighten all mounting bolts and exhaust clamps. Refer to your motorcycle's service manual or Vance & Hines specifications for recommended torque values. Over-tightening can damage components.

4.5. Post-Installation Check

1. Double-check all fasteners to ensure they are securely tightened.
2. Inspect for any potential contact points between the exhaust system and other parts of the motorcycle (e.g., swingarm, brake lines, wiring). Adjust if necessary.
3. Start the engine and listen for any exhaust leaks. Small leaks can often be identified by a puffing sound or by feeling for escaping gases. If leaks are detected, re-tighten clamps or inspect for proper seating.



Figure 1: Vance & Hines 47943 Hi-Output Slip-On exhaust installed on a motorcycle. This image displays the Vance & Hines 47943 Hi-Output Slip-On exhaust system mounted on a motorcycle. The exhaust features a matte black finish with the Vance & Hines logo visible on the muffler body. The design is a short, aggressive style, complementing the motorcycle's overall aesthetic.

5. OPERATING INSTRUCTIONS

After installation, your motorcycle's exhaust note will be significantly altered. The Hi-Output Slip-On is designed to provide a deeper, more aggressive sound compared to the stock system.

- **Initial Startup:** During the first few minutes of operation, it is normal to observe some smoke or a burning smell. This is typically residual manufacturing oils burning off the new exhaust system. This should dissipate quickly.
- **Break-in Period:** For optimal performance and longevity, it is recommended to ride gently for the first 50-100 miles after installation. This allows the exhaust system to properly heat cycle and settle.
- **Sound Characteristics:** The Hi-Output design delivers a robust and resonant exhaust tone. Be aware of local noise ordinances.

6. MAINTENANCE

Regular maintenance will help preserve the appearance and functionality of your Vance & Hines exhaust system.

- **Cleaning:** Clean the exhaust system regularly with a soft cloth and mild, non-abrasive soap and water. Avoid harsh chemicals or abrasive cleaners, which can damage the finish. Ensure the exhaust is cool before cleaning.
- **Fastener Inspection:** Periodically check all mounting bolts and exhaust clamps for tightness. Vibrations from motorcycle operation can cause fasteners to loosen over time. Re-torque to specifications if necessary.
- **Exhaust Leaks:** Inspect the exhaust system for any signs of leaks, such as black soot around connections. Address any leaks promptly to maintain performance and prevent damage.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Issue:** Exhaust leak detected after installation.
Solution: Re-check the tightness of all exhaust clamps and mounting bolts. Ensure the slip-on is fully seated on the header pipe. Inspect the gasket (if applicable) for proper placement and condition.

- **Issue:** Unusual rattling or vibration.

Solution: Verify that all mounting hardware is secure and that the exhaust system is not making contact with any other part of the motorcycle frame, swingarm, or components. Ensure no tools or loose items are near the exhaust.

- **Issue:** Discoloration of the exhaust finish.

Solution: Exhaust systems naturally change color due to heat. This is normal. However, excessive or uneven discoloration might indicate an engine tuning issue (running too lean or rich) or an exhaust leak. Consult a professional if concerned.

8. SPECIFICATIONS

Feature	Specification
Brand	Vance & Hines
Model Number	47943
Item Weight	7.1 pounds
Product Dimensions (L x W x H)	27 x 7 x 7 inches
Manufacturer Part Number	47943
UPC	601759983059
Shape	Round

9. WARRANTY AND SUPPORT

Vance & Hines products are manufactured to high standards and typically come with a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty information provided with your purchase or visit the official Vance & Hines website.

For technical support, installation assistance, or warranty claims, please contact Vance & Hines customer service directly through their official website or contact information provided in your product packaging.